Mexborough ST John the Baptist C of E Primary School - Science				
	Topic: Plants	Year	: 3	Strand: Biology
What should I already know?			Vocabulary	
• Which things are	living and which are not.		absorb	soak up or take in
_	mon wild and garden plants, including deciduo	us and	anther	the part of a stamen that produces and releases the pollen
evergreen trees and how to identify them.			branches	parts that grow out from the tree trunk and have <b>leaves</b> , <b>flowers</b> , or <b>fruit</b> growing on them
<ul> <li>The structure of common flowering plants, including trees (including leaves, flowers, fruits, roots, bulbs, seeds, stem, trunks and branches)</li> <li>Condecode to the section of the section should be set on sh</li></ul>		-	bulb	a root shaped like an onion that grows into a <b>flower</b> or <b>plant</b>
<ul> <li>Seeds and bulbs grow into mature plants</li> <li>Plants need water, light and a suitable temperature to grow and stay</li> </ul>		nd stay	carbon dioxide	a gas produced by animals and people breathing out
<ul> <li>healthy.</li> <li>Different vegetation belts and climate zones around the world</li> <li>Plants and animals depend on each other to survive.</li> </ul>			climate zone	sections of the Earth that are divided according to the climate. There are three main climate zones; polar, temperate and tropical.
What will I know by the end of the unit?			common	something that is found in large numbers or it happens often
The		his is to	deciduous	a <b>tree</b> that loses its leaves in the autumn every year
functions of the	<ul> <li>The petals on a flower are usually bright - t attract bees and other insects so that they</li> </ul>		dispersed	scattered, separated, or spread through a large area
different parts of	pollen to make seeds.	can conect	dissect	to carefully cut something up in order to examine it
flower ·	<ul> <li>The seeds are then able to grow to make n</li> </ul>	new plants.	uissect	scientifically
	This is called germination.		evergreen	a <b>tree</b> or bush which has green <b>leaves</b> all the year round
seed	• Leaves use carbon dioxide and sunlight to	make food	fertilisation	in <b>plants</b> , where <b>pollen</b> meets the <b>ovule</b> to form a <b>seed</b>
leaf stem	for the <b>plant</b> . • The <b>stem</b> carries water and other <b>nutrients</b> from the		fertiliser	a substance that is added to soil in order to make <b>plants</b> grow more successfully
roots	<b>roots</b> to the rest of the <b>plant</b> . Leaves use t	his water to	flower	the part of a <b>plant</b> which is often brightly coloured and grows at the end of a <b>stem</b>
- Star	make food.		flowering	trees or plants which produce flowers
	<ul> <li>The stem also helps to keep the plant upright so that the sunlight can reach it easier.</li> <li>The roots help to 'anchor' the plant in the soil. They also</li> </ul>		fruit	something which grows on a <b>tree</b> or bush and which contains <b>seeds</b> or a stone covered by a substance that you can eat
	absorb water and nutrients from the soil f	for the <b>stem</b> to	function	a useful thing that something does
	carry to the rest of the <b>plant</b> .		garden	a piece of land next to a house, with flowers, vegetables,
What do different plants need to	• air		0	other <b>plants</b> , and often grass
grow?	• water		germination	if a <b>seed germinates</b> or if it is <b>germinated</b> , it starts to grow
Ē	• sunlight		healthy	well and not suffering from any illness
	<ul> <li>nutrients from the soil</li> <li>room to grow</li> </ul>		leaf / leaves	the parts of a tree or plant that are flat, thin, and usually green
	suitable temperature		life cycle mature	the series of changes that an animal or <b>plant</b> passes through from the beginning of its life until its death When something <b>matures</b> , it is fully developed
	The amount of each of these may vary deper	nding on the	nutrients	substances that help <b>plants</b> and animals to grow
	type of <b>plant</b> . For example, cacti need less w	ater than	ovule	a small egg
How is	other <b>plants</b> .	-	petal	thin coloured or white parts which form part of the <b>flower</b>
water transported	<ul> <li>Water is absorbed from the soil by the root</li> <li>It is then transported from the roots to the</li> </ul>		plant	a living thing that grows in the earth and has a <b>stem, leaves</b> , and <b>roots</b>
within <b>plants</b> ? How do	<ul> <li>then to the rest of the plant.</li> <li>The flower's job is to create seeds so that r</li> </ul>	new plants	pollen	a fine powder produced by <b>flowers</b> . It <b>fertilises</b> other <b>flowers</b> of the same species so that they produce <b>seeds</b>
<b>flowers</b> help in the <b>life cycle</b> of	can grow. • Pollination occurs when pollen from the a		pollination	To <b>pollinate</b> a plant or tree means to <b>fertilise</b> it with <b>pollen</b> . This is often done by insects
flowering plants?	transferred to the <b>stigma</b> by bees and othe		roots	the parts of a <b>plant</b> that grow under the ground
	<ul> <li>The pollen then travels down and meets th</li> </ul>		seed	the small, hard part from which a new <b>plant</b> grows
	When this happens, seeds are formed - th fertilisation.		stem	the thin, upright part of a <b>plant</b> on which the <b>flowers</b> and <b>leaves</b> grow
	<ul> <li>Seeds are then dispersed so that germina</li> </ul>	tion can begin	stigma	the top of the centre part of a <b>flower</b> which takes in <b>pollen</b>
	again.		structure	the way in which something is built or made
·			temperature	0
	Diagrams		transported	taking something from one place to another
		r l	tree	a tall <b>plant</b> that has a hard <b>trunk</b> , <b>branches</b> , and <b>leaves</b>
- Stigma		· •	trunk	the large main <b>stem</b> from which the <b>branches</b> grow
Anther - germinduon Style			vegetation	plants, trees and flowers
			wild	animals or <b>plants</b> that live or grow in natural surroundings and are not looked after by people
			Investigate!	
			<ul> <li>Compare the effect of different factors in plant growth (e.g. the amount of water, the amount of light and the amount of fertiliser). Discuss what would make this a fair test.</li> <li>Place white carnations in dyed water to observe how plants transport water.</li> <li>Discover how seeds are formed by observing plant life cycles.</li> <li>Dissect fruits to observe their structure and use this to explain how seeds are dispersed.</li> <li>Dissect a flower and identify each of the different parts that help with</li> </ul>	
	seed disp	Dersal —	fertilisatio	